DAAC/ECS STATUS Table for October 1, 1997

Release	DESCRIPTION	Status	Problems/Comments
Pre-Release B Testbed	**HW/SW Installations**	Testbed Versions 1.2 and 1.3 have been successfully installed and tested at the Langley DAAC. Testbed Version 1.4 will be available mid October.	
	SSI&T	CERES Subsystem 11 PGEs; GGEO_MAIN and GGEO_POST successfully completed SSI&T on the testbed. See Status Chart below. Wrapup reports are being compiled and will be sent to CERES.	
DAAC TRMM Processing System (LaTIS)	**Definition/ Development**	Product Generation Team has a test environment set up to begin testing the automation of different PGEs in the "Big Sur" environment. More automation is being added to the ingest and archival subsystems. Current operational procedures are being document for each area of the system. LaTIS Operational Readiness Review is now scheduled for October 29, 1997.	
	SSI&T	Completed SSI&T of Inversion and SARB. See chart below for details. Production Volume Stress Test for SARB (Subsystem 5) failed with core dump. Lisa Coleman is looking into this issue.	
	Other	DAAC is supporting the TRMM 30 day test. Processing of this data is underway. DAAC is working with CERES on issues relating to the SARB 30-day test.	

Release	DESCRIPTION	Status	Problems/Comments
Release B	**HW/SW Installations**	The initial hardware installation is complete, and a preliminary Physical Configuration Audit (PCA) has been performed. Final hardware configuration (hot, cold, and warm spares) will be performed following teardown of the Langley Testbed (teardown no later than 12/31/97). Deployment schedule: The SSI&T version of ECS v2.0 is scheduled to be deployed to the Langley DAAC by 02/01/98. This system, which contains all launch-critical capabilities, will concurrently support SSI&T, EOS Ground System Testing, and ECS integration testing. Scheduling for subsequent code drops to enhance functionality is in progress.	
	ESDTS	No Activity	
	SSI&T	None	
	Other	terminology change: The deliveries formerly known as Release B.x are now "ECS Version 2.x".	

Status of Release 2 CERES SSIT at the LaRC DAAC 10/1/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Run test cases using Codine	Production Volume Stress Test	Comments
1.0	06/26/97 08/27/97	06/30/97 08/27/97	07/01/97 08/28/97	07/02/97 08/28/97	07/03/97 08/28/97	07/03/97 08/30/97	08/30/97	Redelivery for 30 day test 8/27/97
2.0 & 3.0	06/16/97	06/17/97	06/23/97	06/19/97	06/23/97	07/02/97	07/17/97	
4.1-4.4	08/15/97	08/19/97	08/19/97	08/21/97	08/25/97	08/26/97	08/26/97	
4.5-4.6	08/22/97	08/26/97	08/28/97	08/30/97	09/02/97	09/03/97	09/17/97	
5.0	09/11/97	09/12/97	09/15/97	09/16/97	09/16/97	09/17/97		
6.0								
7.1								
7.2								
8.0								
9.0								
10.0								
11.0	08/01/97	08/05/97	08/05/97	08/07/97	08/07/97	08/08/97		
12.0	07/18/97 08/01/97	07/22/97 08/05/97	07/25/97 08/06/97	07/25/97 08/05/97	08/06/97	08/08/97	08/08/97	* Error during runtime caused redelivery
cereslib	06/06/97 06/17/97 redelivery 08/01/97+	06/09/97 06/18/97 08/04/97	06/10/97 06/23/97 08/05/97	06/10/97 06/18/97 08/05/97	06/10/97* 06/18/97 08/05/97	N/A N/A NA	N/A	*One module failed test with SGI compiler. +Delivery for SS 11

Status of Release 2 CERES SSIT on the ECS Pre-Release B Testbed at the LaRC DAAC (10/1/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Compile and link with DAAC toolkit	Run test cases with DAAC toolkit cmd line	Register ESDTs and update PDPS with ESDT metadata	Created PGE metadata (PCF info)	Created metadata for input test data	Created Science Software Exec Package	Create DPR and run jobs through PDPS
11.0 (main)	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/12/97	08/12/97	08/13/97	08/15/97	08/18/97	08/19/97	08/29/97*
11.0 (post)	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/12/97	08/12/97	08/13/97	09/19/97	09/19/97	09/19/97	09/19/97
cereslib	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/11/97	08/11/97	N/A	N/A	N/A	N/A	N/A

* NOTE: Testbed Versions 1.2 and 1.3 were installed in September. CERES GGEO_MAIN ran successfully with these versions. GGEO_POST was not run until after Versions 1.2 and 1.3 were installed and tested.

Issue: The QC Report was not created in GGEO_POST. This file was subsequently deleted from the PGE metadata file so PDPS would not fail. This was necessary because PDPS expected this file to exist on completion of PGE execution.

CERES Release 2 DAAC Performance Measurements - 10/1/97

One execution on LaTIS configuration of each PGE at production-level volume expected for TRMM launch.

SS	PGE	Compiler	Test Date	Time,sec			Block Operations		Peak Memory MB	Disk Storage, MB					Runs per Mnth
				Wall	User	System	Input	Output		Input	Temp	Interm	Arch	Logs/ QC	
1.0	Instrument	Ada	08/30	13952	13335	424	27397	7428	1320.3	106	0	303	387	0.9	31
2.0	Daily TOA Inversion	SGIF90	07/16	288	276	9	4334	5	3.3	284	284	13	487	.02	31
3.0	Monthly Averaging	SGIF90	07/17	569	400	130	4890	230	15.7	403	410	0	140	1.7	1
4.1/ 4.4	Cloud Retrieval/ Footprint Convolution	SGIF90	08/26	4481	4384	52	3174	13	323.1	312	0	1167	30	36.0	744
4.5	TOA/Surface Fluxes	SGIF90	09/17	162	33	126	52	13	2.9	215	0	0	201	0.08	744
5.0 7.2 12.0	Instantaneous SARB Synoptic SARB MOA Regridding	SGIF90 NAG 32bit	08/08	1633	1548	29	35672	29	40.5	709	0	0	319	.001	744 31
11.0 11.1 9.0 9.1 12.1 10.0 6.0 6.1 7.1 8.0	Grid Geostationary Sort GGEO Surface Gridding Sort SFC Files Post-process MOA TOA/SRB Averaging Atmos. Gridding Sort FSW Files Synoptic Interpolate Synoptic Averaging														
System Total															

System total: multiply each PGE measure by the number of Runs per Data Month for that PGE, then add all PGE's. Some PGE's will require more resources for each instrument on EOS-AM and EOS-PM.